

## PROJECT DESCRIPTION

### I. GENERAL

This project involves the replacement of existing traffic signal heads with black face signal heads at the intersection of MD 355 (Rockville Pike) and Grosvenor Lane/Beach Drive in Montgomery County, Maryland. MD 355 is considered to run in a North/South direction.

### II. INTERSECTION OPERATION

The intersection is to operate in a NEMA four (4) phase, semi-traffic-actuated mode. The MD 355 approaches will operate concurrently. The Grosvenor Lane and Beach Drive approaches will operate as split phases with overlap phasing provided for the Beach Drive left turn phase (special geometrics channelize an "english" movement.) Concurrent pedestrian phasing is provided across the west leg of the intersection. Alternate pedestrian phasing is provided across the Southbound side of the MD 355 (North leg) under phase 3. A separate alternate pedestrian phase is provided across the Northbound side of MD 355 (North leg) phase.

The existing eight phase, full-traffic-actuated, solid state digital controller with intersection monitor and harness, battery back-up, and loop detector amplifier housed in a base mounted cabinet shall be existing at this location.

### III. SPECIAL NOTES

The trestle-mounted traffic signal heads shall be replaced one at a time. Existing mounting brackets and select hardware shall be maintained for use with the proposed signal heads.

## EQUIPMENT LIST

#### A. NO EQUIPMENT SHALL BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
	NONE	

#### B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8001	8 EA	12 INCH PEDESTRIAN SIGNAL HEAD
8013	1 EA	REMOVE AND DISPOSE OF EQUIPMENT
8056	30 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION

#### C. ALL EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

## CONTACT LIST

The contact persons for District #3 are as follows:

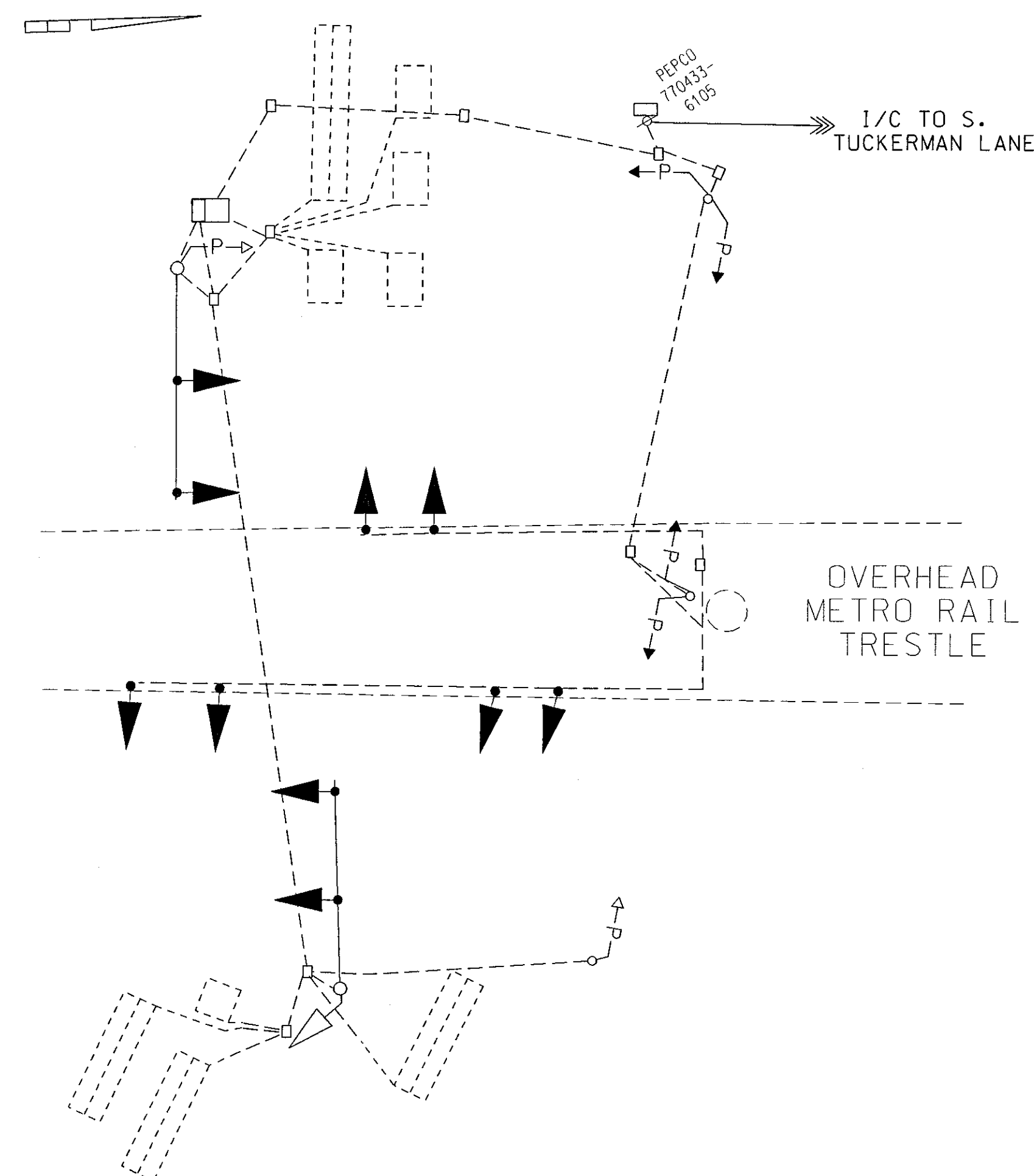
Mr. Richard L. Daff  
Chief, Traffic Operations Division  
410-787-7630

Mr. Lee Starkloff  
Assistant District Engineer - Traffic  
301-513-7318

Mr. Augie Rebish  
Assistant District Engineer - Utility  
301-513-7350

Mr. Wayne Mowdy  
Assistant District Engineer - Maintenance  
301-513-7304

## EXISTING WIRING DIAGRAM



## WIRING LEGEND

USE EXISTING WIRING

## EXISTING WIRING DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12-13	14	15	16	17
Phase 2 & 6	G	G	G	G	←R	←R	R	←R	←R	R	R	WK	DW	DW	DW	DW
Ped. Clear	G	G	G	G	←R	←R	R	←R	←R	R	R	FL/DW	DW	DW	DW	DW
2 & 6 Change	Y	Y	Y	Y	←R	←R	R	←R	←R	R	R	DW	DW	DW	DW	DW
Phase 3	R	R	R	R	←G	←G	G	←G	←G	R	R	DW	DW	DW	DW	DW
3 Change	R	R	R	R	←Y	←Y	G	←G	←G	R	R	DW	DW	DW	DW	DW
3 Alt.	R	R	R	R	←G	←G	G	←G	←G	R	R	DW	WK	DW	DW	WK
Ped. Clear	R	R	R	R	←G	←G	G	←G	←G	R	R	DW	FL/DW	DW	DW	FL/DW
3 Alt. Change	R	R	R	R	←Y	←Y	G	←G	←G	R	R	DW	DW	DW	DW	DW
Phase 4	R	R	R	R	←R	←R	G	←G	←G	G	G	DW	DW	DW	DW	DW
4 Change	R	R	R	R	←R	←R	Y	←Y	←Y	Y	Y	DW	DW	DW	DW	DW
4 Alt.	R	R	R	R	←R	←R	G	←G	←G	G	G	DW	WK	WK	WK	WK
Ped. Clear	R	R	R	R	←R	←R	G	←G	←G	G	G	DW	FL/DW	FL/DW	FL/DW	FL/DW
4 Alt. Change	R	R	R	R	←R	←R	Y	←Y	←Y	Y	Y	DW	DW	DW	DW	DW
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK

SHA# MD409A66/888

TOD# AT582-17



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 355 (ROCKVILLE PIKE) AND GROSVENOR LN/BEACH DR  
GROSVENOR-STRATHMORE, MD  
GENERAL INFORMATION SHEET

DRAWN BY: SMH	F.A.P. NO. AC-STPG-000A(26)E	TS NO. 2365C-GI	SHEET NO.
CHECKED BY: SMH	S.H.A. NO. AT5825/85	COUNTY: MONTGOMERY	2 OF 2
SCALE: 1" = 20'	LOG MILE: 15035504.42	T.I.M.S. NO. F368	
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